

## EAST SEARCH

7/14/05

L#	Hits	Search String	Databases
S1	5270	((digital or data) near2 communication) with (equalization or modulation or "symbol interference") US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S2	3461	S1 and (constellation\$1 or channel\$1)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S3	116	S2 and (channel\$1 near2 gain)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S4	16	S2 and (reliable near2 symbols\$1)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S5	484	S2 and (constellation\$1 near2 (size or point\$1 or square or general or order or axis or estimat\$3 US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S6	22	S3 and S5	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S7	578	S3 or S5	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S8	3	S7 and (sample\$1 with reliability)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S9	2	S2 and (reliable near2 sample\$1)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S10	3	S7 and (reliability with (threshold or limit))	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S11	8	S2 and (sample\$1 with reliability)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S12	19	S2 and (reliability with (threshold or limit))	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S13	34	S2 and (sample\$1 with (constellation\$1 near2 point\$1))	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S14	4	S7 and (sample\$1 with (priorit\$5))	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S16	19	S2 and (constellation\$1 with reliability)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S17	103	S2 and (distance with (constellation\$1 near2 point\$1))	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S18	103	S7 and S17	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S19	6	S3 and S17	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S21	0	S2 and ((constellation\$1 near2 ring) with width)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S22	7	S2 and (constellation\$1 with width)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S23	88	S2 and (sample\$1 with window\$1)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S24	122	S2 and ((reliable near2 symbol\$1) or ((channel\$1 near2 gain) and (constellation\$1 near2 (size c US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S25	183	S18 or S23	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S26	39	S24 and S25	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S27	122	S24 or S26	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S28	29	6,581,179, pn. or "6,556,634", pn. or "6,570,910", pn. or "6,438,174", pn. or "6,757,299", pn. or "6,	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S29	1	S27 and S28	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S15	6	S2 and (sample\$1 with (priorit\$5))	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S30	10	S23 and S24	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S20	1	S2 and (constellation\$1 near2 governing)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S31	5279	((digital or data) near2 communication) with (equalization or modulation or "symbol interference") US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S32	3470	S31 and (constellation\$1 or channel\$1)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S33	116	S32 and (channel\$1 near2 gain)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S34	487	S32 and (constellation\$1 near2 (size or point\$1 or square or general or order or axis or estimat\$3 US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S35	581	S33 or S34	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S36	105	S32 and (distance with (constellation\$1 near2 point\$1))	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S37	105	S35 and S36	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S38	90	S32 and (sample\$1 with window\$1)	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB
S39	123	S32 and ((reliable near2 symbol\$1) or ((channel\$1 near2 gain) and (constellation\$1 near2 (size US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERVENT; IBM_TDB

S40	187	S37 or S38	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S41	40	S39 and S40	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S42	123	S39 or S41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S43	7	S32 and (sample\$1 with (priorit\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S44	10	S38 and S39	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S45	328782	((digital or data or mobile) near2 communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S46	5657	S45 and constellation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S47	455	S46 and (constellation near2 size)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S48	226	S46 and (symbol near2 size)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S49	83	S47 and S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S50	1984	S45 and (channel near2 gain)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S53	16	S47 and (rectangular near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S54	20	S47 and (general near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S56	52	S46 and (constellation near2 axis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S58	299	S47 and (constellation near2 point)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S61	273	S47 and (sample)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S57	1928	S46 and (constellation near2 point)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S63	6	S62 and S57	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S65	0	S46 and (prioritz\$3 with (constellation near2 point))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S67	431	S46 and (distance with (constellation near2 point\$1))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S68	19	S46 and (distance with (constellation near2 point\$1) with (limit or thershold))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S69	0	S67 and (governing near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S70	1	S46 and (governing near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S71	1	S45 and (governing near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S72	267	S49 or S51 or S52 or S53 or S54 or S55 or S56 or S59 or S60 or S63 or S64 or S66 or US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S51	26	S49 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S73	68	S47 and S50	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S52	69	S47 and (square near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S55	50	S47 and (constellation near2 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S59	7	S47 and (maximum near2 constellation near2 point)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S60	11	S47 and (magnitude near2 constellation near2 point)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S62	8	S46 and ("two dimensional" or "two-dimensional" near2 sample)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S64	5	S46 and (prioritz\$3 with sample\$1)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S66	3	S46 and ((scale\$1 near2 value) with (constellation near2 point))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S74	329284	((digital or data or mobile) near2 communication)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S75	5675	S74 and constellation	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S76	455	S75 and (constellation near2 size)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S77	226	S75 and (symbol near2 size)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S78	83	S76 and S77	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S79	1990	S74 and (channel near2 gain)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S80	26	S78 and S79	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S81	69	S76 and (square near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S82	16	S76 and (rectangular near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S83	20	S76 and (general near2 constellation)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S84	50	S76 and (constellation near2 order)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S85	52	S75 and (constellation near2 axis)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S86	1932 7	S75 and (constellation near2 point) S76 and (maximum near2 constellation near2 point)
S88	11	S76 and (magnitude near2 constellation near2 point)
S89	8	S75 and ("two dimensional" or "two-dimensional") near2 sample)
S90	6	S89 and S86
S91	5	S75 and (prioritize\$3 with sample\$1)
S92	3	S75 and ((scale\$1 near2 value) with (constellation near2 point))
S93	19	S75 and (distance with (constellation near2 point\$1) with (limit or threshold))
S94	1	S75 and (governing near2 constellation)
S95	267	S78 or S80 or S81 or S82 or S83 or S84 or S85 or S87 or S88 or S89 or S90 or S91 or S92 or US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB
S96	68	S76 and S79
S97	69	S76 and (square near2 constellation)
S98	8	S75 and ("two dimensional" or "two-dimensional") near2 sample)
S99	5	S75 and (prioritize\$3 with sample\$1)
S100	3	S75 and ((scale\$1 near2 value) with (constellation near2 point))
S102	2	S75 and (estimate\$3 near2 (constellation near2 size))
S101	51	S75 and (estimate\$3 near2 "channel gain")

09/899852      Ellison Reiss

## EAST SEARCH

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### Results of search set S95:

Document Kind	Codes Title	Issue Date	Current OR	Abstract
US 20050135466 A1	Method for accurate estimation of noise for data modems	20050623	375/227	
US 20050129147 A1	Method and system for modulating and detecting high datarate symbol communications	20050616	375/324	
US 20050128938 A1	Channel estimation and synchronization with preamble using polyphase code	20050616	370/210	
US 20050123061 A1	Multidimensional signal modulation and/or demodulation for data communications	20050609	375/261	
US 20050113121 A1	Apparatus, and associated method, for communicating communication data in a multiple-input, n	20050526	455/501	
US 20050105631 A1	Full-diversity, full-rate complex-field space-time coding for wireless communication	20050519	375/267	
US 20050084029 A1	Apparatus and method for mode transition of a transmit diversity scheme in a mobile communication	20050421	375/267	
US 20050074070 A1	System and method for adapting to a change in constellation density while receiving a signal	20050407	375/265	
US 20050058215 A1	Decoding upstream V.92-encoded signals	20050317	375/262	
US 200500512913 A1	Bit allocation among carriers in multicarrier communications	20050317	375/260	
US 20050047517 A1	Adaptive modulation for multi-antenna transmissions with partial channel knowledge	20050303	375/267	
US 20050036565 A1	Methods and devices for decoding signals containing noise and distortion	20050217	375/262	
US 20050031097 A1	Gateway with voice	20050210	379/93.31	
US 20050018798 A1	Voice and data exchange over a packet based network with timing recovery	20050127	375/355	
US 20050010855 A1	Reduced complexity decoding for trellis coded modulation	20050113	7/14/796	
US 20050002464 A1	Data re-transferring method based on bit transformation	20050106	375/261	
US 20050002325 A1	Space-time-frequency coded OFDM communications over frequency-selective fading channels	20050106	370/208	
US 20040267852 A1	Algorithm for computing distances to a received point in an ADSL system	20041230	708/490	
US 20040258172 A1	Method and system for data rate optimization in a digital communication system	20041223	375/261	
US 20040252788 A1	Demodulation for phase modulation	20041216	375/329	

US 20040252648 A1	Off-line broadband network interface	20041216 370/252
US 20040252632 A1	Method and apparatus for multi-user multi-output transmission	20041216 370/210
US 20040240577 A1	Partially coherent constellations for multiple-antenna systems	20041202 375/267
US 20040194006 A1	Algebraic geometric code adapted to error bursts	20040930 714/800
US 20040194004 A1	Trellis interleaver and feedback precoder	20040930 714/792
US 20040190649 A1	Joint adaptive control of equalization, synchronization, and gain in a digital communications receiver	20040930 375/326
US 20040161059 A1	Signal estimation methods and apparatus	20040819 375/341
US 20040151256 A1	Apparatus and method for transmitting and receiving data in a mobile communication system using a software adaptable high performance multicarrier transmission protocol	20040805 375/267
US 20040141548 A1	Data transmission/reception apparatus and method for achieving both multiplexing gain and diversity	20040722 375/146
US 20040136465 A1	Equalisation apparatus and methods	20040715 375/267
US 20040132416 A1	Rmse optimization using hardware acceleration	20040708 455/82
US 20040128334 A1	CDMA transceiver techniques for wireless communications	20040701 708/409
US 20040120274 A1	Constellation mapping apparatus and method	20040624 370/320
US 20040114450 A1	Gain control for a high definition television demodulator	20040617 365/230,03
US 20040109092 A1	Carrier interferometry coding with applications to cellular and local area networks	20040610 348/726
US 20040100897 A1	Combining precoding with spectral shaping	20040527 370/206
US 20040096022 A1	QAM receiver and method for constellations having at least sixteen symbols	20040520 375/353
US 20040091058 A1	MIMO WLAN system	20040513 375/261
US 20040082356 A1	Process for modulation and determination of the bit loading on a transmission channel	20040429 455/522
US 20040039983 A1	Method and apparatus for generating a 64 state 4-D trellis code in DMT	20040426 714/758
US 20040038654 A1	Orthogonal code division multiple access on return link of satellite links	20040426 455/130
US 20040037238 A1	Method and system for determining relative positions of networked mobile communication devices	20040426 370/321
US 20040033808 A1	Receivers, methods, and computer program products for an analog modem that receives data via wireless communication system having error-control coder and linear precoder	20040219 455/456,1
US 20040028159 A1	Wireless communication system having error-control coder and linear precoder	20040212 375/350
US 20040022179 A1	Method and system for implementing a sigma delta analog-to-digital converter	20040205 370/207
US 20040021595 A1	Method and apparatus for hybrid decision feedback equalization	20040205 341/144
US 20040013190 A1	Soft slicer in a hybrid decision feedback equalizer	20040122 375/233
US 20040013189 A1	Method and system for the transmission, reception and processing of 4-level and 8-level signal	20040122 375/233
US 20040001561 A1	Apparatus, and associated method, for performing joint equalization in a multiple-input, multiple-output system and method for transmitting highly correlated preambles in QAM constellations	20040101 375/229
US 20040001537 A1	System and method for computing pre-equalizer coefficients	20040101 370/280
US 20040001448 A1	Method and system for data transceiver with filtering and pre-coding	20031125 375/232
US 20030235245 A1	DSL modem apparatus and reception method for DSL communication	20031204 375/222
US 20030223505 A1	Method and apparatus for decoding baseband orthogonal frequency division multiplex signals	20031204 370/206
US 20030223483 A1	Multi-dimensional fractional number of bits modulation scheme	20031113 375/295
US 20030223353 A1	Method of determining a start of a transmitted frame in a frame-based communications network	20031106 370/509
US 20030215023 A1	Method and system for rate enhanced SHDSL	20031030 375/265
US 20030198288 A1	Modems, methods, and computer program products for selecting an optimum data rate using error detection and correction	20031023 375/222
US 20030194000 A1	Distinguishing between final coding of received signals in a PCM modem	20031016 375/222
US 20030189976 A1	PCM upstream data transmission server	20031009 375/222
US 20030185319 A1	Modified branch metrics for processing soft decisions to account for phase noise impact on cluster	20031002 375/347
US 20030161258 A1	Apparatus, and associated method, for a multiple-input, multiple-output communications system	20030828 370/203
US 20030159100 A1	Turbo code based incremental redundancy	20030821 714/758
US 20030156656 A1	Carrierless backwards compatible data networking transmitter, receiver, and signal format	20030821 375/295

US 20030156592 A1	Carrier based backwards compatible data networking transmitter, receiver, and singal format	20030821 370419
US 20030152023 A1	Orthogonal frequency division multiplexing system with differing control parameters corresponding to different data rates	20030814 370208
US 20030152022 A1	Orthogonal frequency division multiplexing system with superframe synchronization using correl	20030814 370208
US 20030147343 A1	Linear space-time block code with block STTD structure	20030807 370209
US 2003014938 A1	QUADRATURE VESTIGIAL SIDEBAND DIGITAL COMMUNICATIONS METHOD	20030731 3321103
US 20030138061 A1	Voice and data exchange over a packet based network with timing recovery	20030724 375326
US 20030112796 A1	Voice and data exchange over a packet based network with fax relay spoofing	20030619 370352
US 20030084394 A1	Multi-frequency data transmission channel power allocation	20030501 714755
US 20030076890 A1	Method and apparatus for detection and decoding of signals received from a linear propagation channel	20030424 375264
US 20030076889 A1	Constellation mapping for modulated communications	20030424 375261
US 20030067992 A1	Optimal trellis code design for QPSK and higher order quadrature amplitude modulations	20030410 375265
US 20030063664 A1	Adaptive thresholding for adaptive equalization	20030403 375232
US 20030063654 A1	Space-time transmit diversity	20030403 375130
US 20030048857 A1	Space-time transmit diversity	20030313 375267
US 20030039217 A1	Apparatus and method for transmitting/receiving uplink transmission power offset and HS-DSCH	20030227 370318
US 20030035469 A1	Linear minimum mean square error equalization with interference cancellation for mobile communication	20030220 375150
US 20030021358 A1	128-Ary signal constellations suitable for non-linear amplification	20030130 375297
US 20030002593 A1	M-ary signal constellations suitable for non-linear amplification	20030102 375298
US 20020181389 A1	Channel estimation for wireless OFDM systems	20021205 370208
US 20020172212 A1	Method and system for increasing data throughput in communications channels on an opportun	200211121 370412
US 20020163932 A1	Method of providing synchronous transport of packets between asynchronous network nodes in a mobile commun	20021107 370465
US 20020141493 A1	Distinguishing between final coding of received signals in a PCM modem	20021003 375222
US 20020136317 A1	Block coding for multilevel data communication	20020926 375261
US 20020131441 A1	Method of determining an end of a transmitted frame in a frame-based communications network	20020919 370441
US 20020118340 A1	Range-extending system and spatial filter for enhancing hartmann-shack images and associate	20020829 351211
US 20020105928 A1	Method and apparatus for interference suppression in orthogonal frequency division multiplexed	20020808 370334
US 20020090035 A1	Superorthogonal space-time trellis codes, and applications thereof	20020741 375265
US 20020080886 A1	Method for selecting frame encoding parameters in a frame-based communications network	20020627 375295
US 20020075830 A1	Adaptive modulation for fixed wireless link in cable transmission system	20020620 370333
US 20020057717 A1	Method of sharing information among a plurality of stations in a frame-based communications netw	20020516 370503
US 20020057713 A1	Method for selecting frame encoding parameters to improve transmission performance in a fram	20020516 370468
US 20020051501 A1	Use of QAM modulation using independent I and Q decoding techniques an	20020502 375298
US 20020044610 A1	DSL rate adaptation	20020418 34165
US 20020044073 A1	System and method for Huffman shaping in a data communication system	20020411 7091232
US 20020042836 A1	Method of enhancing network transmission on a priority-enabled frame-based communications	20020411 370252
US 20020041570 A1	Method for providing dynamic adjustment of frame encoding parameters in a frame-based commu	20020328 375265
US 20020037055 A1	System and method of data communication using trellis coded modulation or turbo trellis coded	20020321 375299
US 20020034263 A1	Wireless communications	20020314 375265
US 20020031190 A1	System and method of data communication using turbo trellis coded modulation combined with c	20020307 370255
US 20020027886 A1	Method of controlling data sampling clocking of asynchronous network nodes in a frame-based	20020228 7091236
US 20020026523 A1	Method for distributing sets of collision resolution parameters in a frame-based communications	20020131 370389
US 20020012343 A1	Transceiver method and signal therefor embodied in a carrier wave for a frame-based communic	20020117 370466
US 20020006136 A1	Method for selecting an operating mode for a frame-based communications network	20011227 370445
US 20010055311 A1	Method of determining a collision between a plurality of transmitting stations in a frame-based cc	20010830 375265
US 20010017900 A1	Method to transfer trellis code modulated digital data over a digital subscriber line, and related m	200050712 365/230.03
US 6917559 B2	Constellation mapping apparatus and method	

US 6911934 B1	Multiplexer-free methods and apparatus for signal processing in a digital communication system	20050705 375/229
US 6909755 B2	Method and system for increasing data throughput in communications channels on an opportunistic basis	20050621 375/264
US 6904082 B2	DSL rate adaptation	20050607 375/220
US 6898204 B2	Method of determining a collision between a plurality of transmitting stations in a frame-based communication system	20050524 370/445
US 6891896 B1	Embedded signal constellations	20050510 375/264
US 6891881 B2	Method of determining an end of a transmitted frame in a frame-based communications network	20050510 375/143
US 6888844 B2	Method for selecting an operating mode for a frame-based communications network	20050503 370/466
US 6882634 B2	Method for selecting frame encoding parameters to improve transmission performance in a frame-based communications network	20050419 370/338
US 6877043 B2	Method for distributing sets of collision resolution parameters in a frame-based communications network	20050405 709/251
US 6870888 B1	Bit allocation among carriers in multicarrier communications	20050322 375/260
US 68668072 B1	Home phone line network architecture	20050315 370/276
US 6850577 B2	Voice and data exchange over a packet based network with timing recovery	20050201 375/326
US 6850493 B1	Off-line broadband network interface	20050201 370/252
US 6823002 B1	Linear block interleaver for discrete multi-tone modulation	20041123 375/219
US 6819719 B2	Method to transfer trellis code modulated digital data over a digital subscriber line, and related method	20041116 375/262
US 6816548 B1	HDTV channel equalizer	20041109 375/233
US 6804267 B1	Transceiver training for DSL modems under TCM-ISDN interference	20041012 370/524
US 6795424 B1	Method and apparatus for interference suppression in orthogonal frequency division multiplexed systems	20040921 370/343
US 6788236 B2	Method and system for implementing a sigma delta analog-to-digital converter	20040907 341/155
US 6778597 B2	Distinguishing between final coding of received signals in a PCM modem	20040817 375/222
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